

GILA RIVER BASIN

09478500 QUEEN CREEK BELOW WHITLOW DAM NEAR SUPERIOR, AZ

LOCATION--Lat 33°17'57", long 111°16'37", in NW_{1/4}SE_{1/4} sec. 36, T.1 S., R.10 E., Pinal County, Hydrologic Unit 15050100, 1 mi upstream from Queen Valley and 10 mi west of Superior. Gage is located on the outlet box structure below Whitlow Ranch Dam.

DRAINAGE AREA--144 mi².

PERIOD OF RECORD--Jan. 1896 to Dec. 1897, Jan. 1898 to Aug. 1899 (fragmentary), Feb. to Sept. 1915 (gage-heights only), Oct. 1915 to Sept. 1920, May 1948 to Jan. 1959. Apr. 2001 to current year. Published as "at Whitlow's Ranch" 1896-99, "near Superior" 1915-20 and as "at Whitlow Dam Site near Superior" 1948-59.

GAGE--Water-stage recorder. Elevation of gage is 2,040 ft above sea level, from topographic map. From Jan. 25, 1896, to Aug. 11, 1899, and Feb. 14, 1915 to Sept. 30, 1920, staff gages were operated in the vicinity of the present gage at different datums. Stilling-well gages were operated from May 1, 1948, to Aug. 19, 1954, and Jan. 6, 1955, to Jan. 1959 at sites about 1,100 ft and 800 ft upstream and datums of 2,048.96 and 2,045.70 ft above mean sea level, respectively.

REMARKS--Records poor.

EXTREMES FOR PERIOD OF RECORD--1915-20, 1948-59: Maximum discharge, 42,900 ft³/s Aug. 19, 1954. No flow at times in each year. 2001-present: Maximum discharge, 620 ft³/s Aug. 14, 2001, estimated. Minimum daily discharge, 0.29 ft³/s Aug. 2, 2004.

EXTREMES FOR CURRENT YEAR--Maximum discharge, 396 ft³/s Mar. 5 and Sept. 19. Minimum daily discharge, 0.29 ft³/s Aug. 2.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.64	1.1	0.91	0.87	1.1	0.87	1.7	1.8	1.3	0.75	0.49	0.66
2	0.69	1.1	0.87	0.87	1.1	0.87	1.8	1.6	1.0	0.81	0.29	0.69
3	0.68	1.1	0.87	0.90	1.2	0.90	1.9	1.3	0.87	0.83	0.42	0.74
4	e65	1.1	0.87	0.89	1.1	1.0	1.8	1.2	0.87	0.83	0.43	0.81
5	e87	1.1	0.87	0.88	1.1	217	1.9	1.0	0.89	0.86	0.43	0.77
6	0.87	1.1	0.83	0.89	1.1	1.3	1.8	1.0	0.94	0.86	0.49	0.74
7	0.88	1.1	0.82	0.89	1.2	0.86	1.9	1.2	0.87	0.85	0.46	0.68
8	0.94	1.4	0.87	0.91	1.5	0.88	1.9	1.2	0.87	0.70	0.44	0.77
9	0.95	1.2	0.85	0.90	1.4	1.0	2.0	0.87	0.89	0.58	0.39	0.84
10	1.1	1.1	0.85	0.98	1.2	1.2	2.1	0.87	0.86	0.43	0.31	0.87
11	1.1	0.89	0.84	1.0	1.1	1.4	2.1	0.92	0.77	0.45	0.37	1.1
12	1.1	1.0	1.1	e0.96	1.0	1.5	1.9	1.1	0.86	0.86	0.43	1.2
13	1.1	1.0	1.0	e1.0	1.0	1.5	1.8	1.1	0.84	0.84	0.46	1.2
14	1.2	0.87	1.00	0.97	1.1	1.2	1.8	1.1	0.84	0.70	0.59	e1.1
15	1.4	0.87	0.95	0.95	1.1	1.2	1.8	1.3	0.86	0.85	0.63	e1.1
16	1.3	0.87	0.90	0.96	1.1	1.1	1.7	1.4	0.87	6.1	5.3	e1.0
17	1.3	0.87	0.91	1.1	1.1	1.3	1.7	1.4	0.88	0.68	0.60	1.1
18	1.1	0.87	e0.87	0.93	1.1	0.96	1.7	1.2	0.88	0.84	0.55	132
19	0.82	0.84	e0.87	0.91	1.1	0.98	1.7	1.2	0.82	0.87	0.63	82
20	0.86	e0.83	0.87	0.94	1.1	1.0	1.7	1.2	0.72	1.0	0.63	1.5
21	0.87	e0.81	e0.77	1.0	1.1	1.2	1.7	1.2	0.63	1.1	0.63	0.91
22	0.87	e0.78	e0.44	1.1	e1.1	1.4	1.8	1.3	0.63	1.2	0.59	e0.90
23	0.87	e0.77	0.44	1.1	e1.1	1.4	1.9	1.1	0.64	0.80	0.63	e0.90
24	0.89	e0.76	0.44	1.1	e1.1	1.5	2.0	1.1	0.79	0.76	0.63	e0.90
25	0.87	0.76	0.48	1.2	e1.1	1.6	1.6	1.0	0.99	3.2	0.63	e0.90
26	0.88	0.79	0.56	1.2	1.2	1.7	1.7	1.1	1.0	0.56	0.64	e0.90
27	0.88	0.78	0.49	1.1	1.1	1.6	1.7	1.1	0.83	0.57	0.65	e0.90
28	0.94	0.94	0.43	1.0	1.2	1.5	1.7	1.1	0.77	0.61	0.69	e0.89
29	1.0	0.93	0.65	1.1	1.0	1.4	1.7	1.0	0.77	0.63	0.69	e0.88
30	0.98	0.95	0.87	1.1	---	1.5	1.7	1.1	0.74	0.55	0.69	e0.88
31	1.0	---	0.87	1.1	---	1.6	---	1.2	---	0.57	0.67	---
TOTAL	180.08	28.58	24.36	30.80	32.8	254.42	54.2	36.26	25.49	31.24	21.48	239.83
MEAN	5.81	0.95	0.79	0.99	1.13	8.21	1.81	1.17	0.85	1.01	0.69	7.99
MAX	87	1.4	1.1	1.2	1.5	217	2.1	1.8	1.3	6.1	5.3	132
MIN	0.64	0.76	0.43	0.87	1.0	0.86	1.6	0.87	0.63	0.43	0.29	0.66
MED	0.94	0.91	0.87	0.97	1.1	1.3	1.8	1.1	0.86	0.81	0.59	0.90
AC-FT	357	57	48	61	65	505	108	72	51	62	43	476
CFSM	0.04	0.01	0.01	0.01	0.01	0.06	0.01	0.01	0.01	0.01	0.00	0.06

CAL YR 2003 TOTAL 788.06 MEAN 2.16 MAX 156 MIN 0.32 MED 0.91 AC-FT 1560 CFSM 0.01
WTR YR 2004 TOTAL 959.54 MEAN 2.62 MAX 217 MIN 0.29 MED 0.95 AC-FT 1900 CFSM 0.02

e Estimated